

SYSTEM AND METHOD FOR IMPLEMENTING NETWORK
SECURITY POLICIES ON A COMMON NETWORK INFRASTRUCTURE

ABSTRACT OF THE DISCLOSURE

5 A secure network is provided which includes a plurality of
network bubbles having a plurality of bubble partitions. Each bubble partition
has at least one network device configured to transmit and receive data. All the
network devices that belong to or correspond to a particular network bubble
have the same network security policy. The secure network also includes a
10 plurality of network control points, which has one or more network control
point devices having at least one interface. Each bubble partition is connected
to at least one network control point. The network control point is used to
provide a connection between at least two network devices. Each network
control point device is configured to enforce the network security policy of all
15 the network bubbles that are connected to it. During the transmission of data
from one network device to another network device, one or more network
control points are traversed.